

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Lawrence M Blatt</td> <td>03/20/2013</td> </tr> <tr> <td>Leonid Beigelman</td> <td>03/19/2013</td> </tr> <tr> <td>Hua Tan</td> <td>03/20/2013</td> </tr> <tr> <td>Julian Alexander Symons</td> <td>03/19/2013</td> </tr> <tr> <td>David Bernard Smith</td> <td>03/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	Lawrence M Blatt	03/20/2013	Leonid Beigelman	03/19/2013	Hua Tan	03/20/2013	Julian Alexander Symons	03/19/2013	David Bernard Smith	03/19/2013
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Alios BioPharma, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>260 East Grand Avenue</td> </tr> <tr> <td>Internal Address:</td> <td>2nd Floor</td> </tr> <tr> <td>City:</td> <td>South San Francisco</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94080</td> </tr> </table>		Name:	Alios BioPharma, Inc.	Street Address:	260 East Grand Avenue	Internal Address:	2nd Floor	City:	South San Francisco	State/Country:	CALIFORNIA	Postal Code:	94080
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CORRESPONDENCE DATA													
Fax Number: 9497609502 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 858 707 4000 Email: efilings@knobbe.com Correspondent Name: Knobbe, Martens, Olson & Bear LLP Address Line 1: 2040 Main Street Address Line 2: 14th Floor Address Line 4: Irvine, CALIFORNIA 92614													
ATTORNEY DOCKET NUMBER:	ALIOS.059A												

OP \$40.00 13797511

NAME OF SUBMITTER:	Kimberly J. Miller
Signature:	/Kimberly J. Miller/
Date:	05/10/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 7</p> <p>source=59A_assign_Alios#page1.tif</p> <p>source=59A_assign_Alios#page2.tif</p> <p>source=59A_assign_Alios#page3.tif</p> <p>source=59A_assign_Alios#page4.tif</p> <p>source=59A_assign_Alios#page5.tif</p> <p>source=59A_assign_Alios#page6.tif</p> <p>source=59A_assign_Alios#page7.tif</p>	

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ALIOS.059A

Page 1 of 7

Title: PHARMACEUTICAL COMBINATIONS COMPRISING A THIONUCLEOTIDE ANALOG

Inventors: Lawrence M. Blatt, Leonid Beigelman, Hua Tan, Julian Alexander Symons, David Bernard Smith, Min Jiang, Tara Lynn Kieffer, Cornelis Arie Rijnbrand

Declaration

This Declaration is directed to the application identified above that:

Was filed **March 12, 2013** as U.S. or International Application No. **13/797,511** and incorporating any amendments made thereto prior to the signature date of this Declaration.

As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

Assignment from Inventors

WHEREAS, **Lawrence M. Blatt, Leonid Beigelman, Hua Tan, Julian Alexander Symons, and David Bernard Smith** (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries, and hereby assign or are under an obligation to assign to the below identified Assignee the above-titled application (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application").

AND WHEREAS, **Alios BioPharma, Inc.**, with its principal place of business at 260 East Grand Avenue, 2nd Floor, South San Francisco, California, 94080 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work held by ASSIGNOR.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, ASSIGNOR'S entire right, title, and interest throughout the world in the Application and the Work, including all patent properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

all provisional applications relating thereto (including but not limited to U.S. Provisional Application Nos. **61/613,854**, filed **April 19, 2012** and **61/614,494**, filed **March 22, 2012** (respectively if plural applications));

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and

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all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned patent properties, and authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

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Title: PHARMACEUTICAL COMBINATIONS COMPRISING A THIONUCLEOTIDE ANALOG

Inventors: Lawrence M. Blatt, Leonid Beigelman, Hua Tan, Julian Alexander Symons, David Bernard Smith, Min Jiang, Tara Lynn Kieffer, Cornelis Arie Rijnbrand

Legal Name of inventor: Lawrence M. Blatt

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 20 day of MARCH, 2013.

Signature: [Signature]

Date: 3-20-13

Signature before a Notary is desirable but not required.

STATE OF CALIFORNIA

COUNTY OF SAN MATEO

} ss.

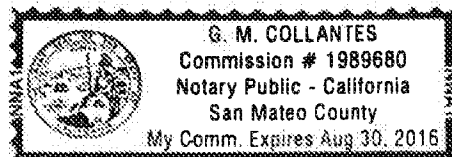
On MARCH 20, 2013, before me, G.M. COLLANTES, notary public, personally appeared Lawrence M. Blatt who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Notary Signature

[SEAL]



PATENT

REEL: 030393 FRAME: 0516

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

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Inventors: Lawrence M. Blatt, Leonid Beigelman, Hua Tan, Julian Alexander Symons, David Bernard Smith, Min Jiang, Tara Lynn Kieffer, Cornelis Arie Rijnbrand

Legal Name of inventor: Leonid Beigelman

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of MARCH, 2013.

Signature: [Signature] Date: MARCH 19, 2013

Signature before a Notary is desirable but not required.

STATE OF CALIFORNIA

COUNTY OF SAN MATEO

ss.

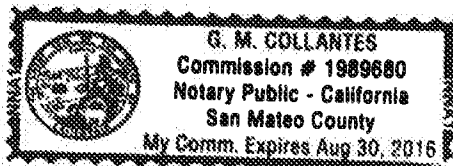
On MARCH 19, 2013, before me, G. M. COLLANTES, notary public, personally appeared Leonid Beigelman who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Notary Signature

[SEAL]



PATENT

REEL: 030393 FRAME: 0517

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Inventors: Lawrence M. Blatt, Leonid Beigelman, Hua Tan, Julian Alexander Symons, David Bernard Smith, Min Jiang, Tara Lynn Kieffer, Cornelis Arie Rijnbrand

Legal Name of inventor: Hua Tan

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 20 day of MARCH, 2013.

Signature: [Signature] Date: 3-20-13

Signature before a Notary is desirable but not required.

STATE OF CALIFORNIA

COUNTY OF SAN MATEO

ss.

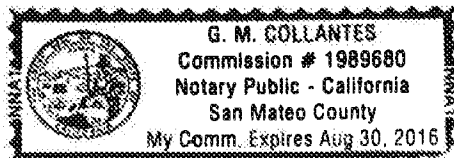
On MARCH 20, 2013, before me, G.M. COLLANTES, notary public, personally appeared Hua Tan who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

G.M. COLLANTES
Notary Signature

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Legal Name of inventor: Julian Alexander Symons

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of MARCH, 2013.

Julian Alexander Symons

Date: 19th March, 2013

Signature before a Notary is desirable but not required.

STATE OF CALIFORNIA

} ss.

COUNTY OF SAN MATEO

On MARCH 19, 2013, before me, G. M. COLLANTES, notary public, personally appeared Julian Alexander Symons who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

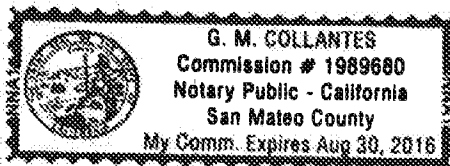
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

G. M. COLLANTES

Notary Signature

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PATENT

REEL: 030393 FRAME: 0519

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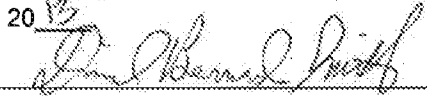
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Legal Name of inventor: David Bernard Smith

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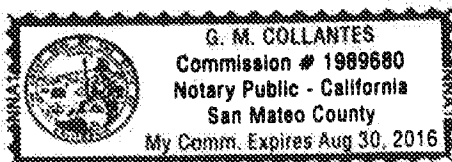
On MARCH 19, 2013, before me, G.M. COLLANTES, notary public, personally appeared David Bernard Smith who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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[SEAL]



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